

EXHIBIT 2

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
5,164,979 to Choi	5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMC0 Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
5,381,462 to Larson	5,164,979 to Choi; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP

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5,438,607 to Przygoda	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to</p>

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	Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
5,748,083 to Reitkerk	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder

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	("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
5,861,804 to Fansa	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMC0 Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,204,763 to Sone	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script;

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	<p>6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
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	<p>Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMC0 Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,545,601 to Monroe	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,567,981 to Jeffrey	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,663,420 to Xiao	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
6,725,281 to Zintel	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,781,635 to Takeda	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,792,323 to Krzyzanowski	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,828,909 to Script	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
6,960,998 to Menard	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
6,970,183 to Monroe	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707</p>

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
6,975,220 to Foodman	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
7,020,121 to Hardacker	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
7,113,090 to Saylor	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,136,709 to Arling; 7,258,276 to Linton;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
7,136,709 to Arling	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596</p>

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
7,258,276 to Linton	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com</p>

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	System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
7,295,608 to Reynolds	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanks; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
7,373,395 to Brailean	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
7,480,484 to Nam	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
7,562,379 to Hardacker	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
7,920,623 to Stone	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
10-2004-0004307 to Yoo	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2002/0013818 to Yamaga	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 - 0092492)	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
EP 0 999 678 A2 to Horowitz	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com</p>

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
EP 1 175 069 A1 to Matsubara	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Honeywell Security &	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
Custom Electronics Sourcebook 2006 Sourcebook	<p>Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Intel Technology</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
JP2003085248 to Kariya	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
U.S. Prov. Pat. Appl. No. 60/517,237 to Arling	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US 2002/0058530 to Akama	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2002/0013818 to Yamaga	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2002/0116492 to Oldenborgh	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava;</p>

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2002/0157112 to Kuhn	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com</p>

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2002/0164999 to Johnson	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanco; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
US2002/0184112 to Nagaoka	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2002/0194596 to Srivastava	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2003/0128197 to Turner	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2003/0225568 to Salmonsens	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2003/0226149 to Chun	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2003/0229900 to Reisman	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2004/0024851 to Naidoo	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama;</p>

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2004/0100380 to Lindsay	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to</p>

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2004/0150718 to Zhang	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2004/0223614 to Seaman	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailan; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2004/0243517 to Hansen	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailan; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2004/0255326 to Hicks	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2004/0260669 to Fernandez	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2005/0175099 to Sarkijarvi	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2005/0235329 to Karaoguz	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu;

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2006/0022816 to Yukawa	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal,</p>

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April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
US2006/0080707 to Laksono	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz;</p>

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	US2006/0022816 to Yukawa; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2008/0132859 to Pires	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN");

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2008/0148063 to Hanko	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
US2008/0282299 to Koat	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
WO 02/061706 to Heaton	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to</p>

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
WO 03/079645 to Fischer	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art</p>

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
WO 2004/036521 to Marshall	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
WO 98/48487 to Shannon	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
ADEMCO Optiflex Video Controller using Symphony ("Optiflex")	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez;</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Applicant Admitted Prior Art ("AAPA")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
DirecTV HD Receiver ("Samsung")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling;

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
HomeMinder ("HomeMinder")	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner;</p>

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Honeywell 8142-I Symphony Advanced User Interface ("Symphony")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	("AAPA"); DirecTV HD Receiver ("Samsung"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Honeywell LYNXR-EN System ("LYNXR-EN")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Honeywell LYNXR-I System ("LYNXR-I")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski;

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	<p>6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")</p>
Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook")	<p>5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh;</p>

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Honeywell VISTA-128BP Series Security System ("VISTA-128BP")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August

EXHIBIT 1

DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Prior Art Alarm.com System ("PAAS"); Smart Home ("Microsoft")
Prior Art Alarm.com System ("PAAS")	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Smart Home ("Microsoft")
Smart Home	5,164,979 to Choi; 5,381,462 to Larson; 5,438,607 to Przygoda; 5,748,083 to

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

April 17, 2019

REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
("Microsoft")	<p>Reitkerk; 5,861,804 to Fansa; 6,204,763 to Sone; 6,496,862 to Akatsu; 6,512,771 to Atarashi; 6,545,601 to Monroe; 6,567,981 to Jeffrey; 6,663,420 to Xiao; 6,725,281 to Zintel; 6,781,635 to Takeda; 6,792,323 to Krzyzanowski; 6,828,909 to Script; 6,960,998 to Menard; 6,970,183 to Monroe; 6,975,220 to Foodman; 7,020,121 to Hardacker; 7,113,090 to Saylor; 7,136,709 to Arling; 7,258,276 to Linton; 7,295,608 to Reynolds; 7,373,395 to Brailean; 7,480,484 to Nam; 7,562,379 to Hardacker; 7,920,623 to Stone; 10-2004-0004307 to Yoo; US2002/0013818 to Yamaga; DLNA Networked Device Interoperability Guidelines, expanded March 2006 (INNOV00091875 -0092492) ; EP 0 999 678 A2 to Horowitz; EP 1 175 069 A1 to Matsubara; Honeywell Security & Custom Electronics Sourcebook 2006 Sourcebook; Intel Technology Journal, Vol. 6, Issue 4 Intel Technology Journal; JP2003085248 to Kariya; U.S. Prov. Pat. Appl. No. 60/517,237 to Arling; US 2002/0058530 to Akama; US2002/0013818 to Yamaga; US2002/0116492 to Oldenborgh; US2002/0157112 to Kuhn; US2002/0164999 to Johnson; US2002/0184112 to Nagaoka; US2002/0194596 to Srivastava; US2003/0128197 to Turner; US2003/0225568 to Salmonsens; US2003/0226149 to Chun; US2003/0229900 to Reisman; US2004/0024851 to Naidoo; US2004/0100380 to Lindsay; US2004/0150718 to Zhang; US2004/0223614 to Seaman; US2004/0243517 to Hansen; US2004/0255326 to Hicks; US2004/0260669 to Fernandez; US2005/0175099 to Sarkijarvi; US2005/0235329 to Karaoguz; US2006/0022816 to Yukawa; US2006/0080707 to Laksono; US2008/0132859 to Pires; US2008/0148063 to Hanko; US2008/0282299 to Koat; WO 02/061706 to Heaton; WO 03/079645 to Fischer; WO 2004/036521 to Marshall; WO 98/48487 to Shannon; www.alarm.com website prior to August 10, 2005 Prior Art Alarm.com System ("PAAS"); ADEMCO Optiflex Video Controller using Symphony ("Optiflex"); Applicant Admitted Prior Art ("AAPA"); DirecTV HD Receiver ("Samsung"); HAL 2000 System w/ HAL Digital Music Center and/or HAL 2000 System w/ HAL Digital Video Center ("HAL"); HomeMinder ("HomeMinder"); Honeywell 8142-I Symphony Advanced User Interface ("Symphony"); Honeywell LYNXR-EN System ("LYNXR-EN"); Honeywell LYNXR-I System ("LYNXR-I"); Honeywell Security & Custom Electronics Sourcebook 2006 ("Sourcebook"); Honeywell VISTA-128BP Series Security System ("VISTA-128BP"); Smart Home ("Microsoft")</p>
Naidoo	<p>Zhang and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art</p>
Naidoo	<p>Zhang and further combined with Yukawa and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art</p>

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
Naidoo	Zhang and further combined with Script and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Naidoo	Zhang and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Naidoo	Zhang and further combined with Script, and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art.
Saylor	Zhang and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Saylor	Zhang and further combined with Script and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Saylor	Zhang and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Saylor	Zhang and further combined with Script, and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Brailean	Heaton and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art

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Brailean	Brailean combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Brailean	Heaton and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Yukawa	Heaton and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Yukawa	Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Yukawa	Heaton and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Yukawa	Brailean and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Yukawa	Brailean and further combined with Heaton and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Yukawa	Brailean and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to

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DEFENDANTS' P.R. 3-3 INVALIDITY CONTENTIONS

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	those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Menard and further combined with Yukawa and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Brailean and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Yukawa and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Brailean and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Yukawa and further combined with Menard and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Heaton	Menard and further combined with Yukawa and further combined with Brailean
Menard	Brailean and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Menard	Yukawa and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Menard	Heaton and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to

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REFERENCE	OBVIOUS IN LIGHT OF THE REFERENCE ITSELF ALONE COMBINED WITH THE KNOWLEDGE OF A POSITA'S KNOWLEDGE OR IN COMBINATION WITH ONE OR MORE OF THE FOLLOWING:
	those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Menard	Heaton and further combined with Yukawa and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Menard	Heaton and further combined with Brailean and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Menard	Script and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art
Menard	Heaton and further combined with Script and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and the knowledge of a person of ordinary skill in the art

- The LynxR-I Security System (including use with 5800 Series Transmitters/Sensors, 7845C, 7845i, 7845GSM, 7845i-GSM, 7845i-ENT, 7845CV2, 7845i-L, X10 Powerline Carrier Devices, Honeywell VISTA Navigator, Compass Downloader, and the AlarmNet-A, AlarmNet-M, AlarmNet-C, and AlarmNet-I Services) and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- The LynxR-EN Security System (including use with 5800 Sensors, 7845C, 7845i, 7845GSM, 7845i-GSM, 7845i-ENT, 7845CV2, 5842 Wireless Dialer, X10 Powerline Carrier Devices, Honeywell VISTA Navigator, Compass Downloader, and the AlarmNet-A, AlarmNet-M, AlarmNet-C, and AlarmNet-I Services) and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and

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MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)

- The Vista-128BP Security System (including use with 5800 Sensors, 5881ENHC, 5881 RF Receiver, ADEMC0 4285/4286 VIP Module, 7720, 7720ULF, 7920SE, 7820, 7835C, 7845C, 7845i, 7845GSM, 7845i-GSM, 7845i-ENT, 7845CV2, 6160V, VA8201 Alpha Pager Module, ADEMC0 UVS, 4204/4204CF Relay Modules, TeleSmart, VistaKey module, X10 Powerline Carrier Devices, Honeywell VISTA Navigator, Compass Downloader, and the AlarmNet-A, AlarmNet-M, AlarmNet-C, and AlarmNet-I Services) combined with the 8132/8132-i/8142/8142-i Symphony Advanced User Interface and the Optiflex Video Controller and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Honeywell Security & Custom Electronics Sourcebook 2006 L/SCBK2006/D April 2006 and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- The Optiflex Video Controller (including use with disclosed cameras) and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Tyroler combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and further combined with the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Patrick combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, and further combined with the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- LynxR-I combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- LynxR-I combined with Vista-128BP with Symphony and Optiflex and further combined with the AAPA, the cellular and video standards existing as of the priority date

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(including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)

- LynxR-I combined with Vista-128BP with Symphony and Optiflex, and further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- LynxR-I combined with Tyroler and further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
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- LynxR-I combined with Patrick and further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
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- LynxR-EN combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- LynxR-EN combined with Vista-128BP with Symphony and Optiflex and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1,

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MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)

- LynxR-EN combined with Vista-128BP with Symphony and Optiflex, and further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
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- Vista-128BP with Symphony and Optiflex combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Vista-128BP with Symphony and Optiflex combined with LynxR-I and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1,

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MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)

- Vista-128BP with Symphony and Optiflex combined with LynxR-I and further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
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- Vista-128BP with Symphony and Optiflex combined with LynxR-EN and further combined with Patrick and further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but

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- Vista-128BP with Symphony and Optiflex combined with Tyroler further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
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- Tyroler combined with LynxR-I further combined with Vista-128BP further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)

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- Tyroler combined with Vista-128BP with Symphony and Optiflex further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Patrick combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Patrick combined with LynxR-EN further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Patrick combined with LynxR-EN further combined with Vista-128BP further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Patrick combined with LynxR-I further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
- Patrick combined with LynxR-I further combined with Vista-128BP further combined with Sourcebook and further combined with the AAPA, the cellular and video standards existing as of the priority date (including, but not limited to those mentioned in the AAPA, such as 3G, 4G, MPEG1, MPEG2, and MPEG4), DLNA 2006, the knowledge of a person of ordinary skill in the art, and Honeywell's related patents (described above)
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